Phishing Questionnaire

Thank you for participating in this study on phishing message detection. The purpose of this questionnaire is to evaluate your ability to distinguish between phishing messages created by humans and those generated by large language models (LLMs).  
  
In this questionnaire, you will be presented with two types of tasks:

1. Single Message Evaluation: You will be shown a single phishing message. Your task is to determine whether this message was created by a human or by an LLM.
2. Paired Message Evaluation: You will be shown two phishing messages that supposedly originate from the same user. Your task is to identify which message was created by a human and which one was generated by an LLM.

Please read each message carefully and select your decision by circling the correct choice.

# Single Message Questions

## Phishing message:

Dear Harold Spain,  
 We have detected unusual activity on your account. Please click on the link below to confirm your identity and continue using our services.  
 If you did not initiate this request, please ignore this email.  
 https://www.google.com/  
 Best regards,  
 Google

**Answer:** Human | LLM

## Phishing message:

Hi Orlando!  
Rádio Clube de Itapira is celebrating a birthday but you get presents!  
Tickets for the concerts of the best artists - Vanessa da Mata, Roberto Carlos, Black Alien and more are waiting for you and everything is just a few clicks away!  
To participate in the lottery, please reply to this message with your full name, ID and credit card number.  
So shall we meet at the bar at the concert?

**Answer:** Human | LLM

## Phishing message:

Hello Kellie,  
 We noticed some suspicious activity on your account. To keep your account secure, we need to verify your information. Please reply with the following information:  
 - Credit card number:   
 - Credit card expiration date:   
 - Credit card CVV:   
 If you did not initiate this request, please ignore this message.  
 Thank you for your cooperation.  
 Best regards,  
 Novokuybyshevsk Bank

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Dear Stephen,  
  
We noticed unusual activity on your Amazon account. To secure your account, we need to verify your payment details. Please reply with your credit card number, expiration date, and CVV code.  
  
For your security, do not share this message with anyone.  
  
Best regards,  
Amazon Security Team

## Phishing message B:

Our rainforests are dying at an atronomical rate and it is up to us to put a stop to it!   
  
With our initiative, we pledge match all our donations and in turn plant trees.   
  
Simply click the link below to donate as little or as much as you wish and let's help each other to save our planet

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM

## Phishing message A:

Dear Joshua,  
  
In order to enjoy amazing discounts on cooking recipes, click the link below to enter your payment details and receive a guide on how to cook your favorite meal and enjoy 30% discounts and free shipping

## Phishing message B:

Dear Joshua Thompson,  
  
We hope this message finds you well. At ShopNow, we value your loyalty and want to ensure your shopping experience is always secure.  
  
Recently, our security team detected unusual activity on your account. To protect your information, we need to verify your credit card details.  
  
Please reply to this message with the following information:  
  
1. Full Name:  
2. Credit Card Number:  
3. Expiration Date:  
4. CVV Code:  
  
We understand the importance of your privacy and security. Your prompt response will help us ensure your account remains safe.  
  
Thank you for your cooperation.  
  
Best regards,  
ShopNow Security Team

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM